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INFORMATION FURNISHED IN CONFORMITY WITH THE CONVENTION ON REGISTRATION OF OBJECTS LAUNCHED INTO OUTER SPACE

Note verbale dated 6 August 1997 from the Permanent Mission of India to the United Nations (Vienna) addressed to the Secretary-General

The Permanent Mission of India to the United Nations (Vienna) presents its compliments to the Secretary - General of the United Nations and, in accordance with article IV of the Convention on Registration of Object s Launched into Outer Space,* has the honour to transmit information concerning the launching of satellite INSAT-2D (see annex).

*General Assembly resolution 3235 (XXIX), annex, of 12 November 1974.

V.97-25860T

Annex

REGISTRATION DATA FOR INDIAN SPACE LAUNCHES*

Name of launching State or States:	India
An appropriate designator of the space object or its registration number:	INSAT-2D
Date of launch:	4 June 1997
Location of launch:	Centre Spatial Guyanais (CGS), Kourou, French Guiana
Basic orbital parameters: (Geostationary orbit)	Nodal period: 1,436 minutes Longitude: 74.0 ± 0.1 degrees East Inclination: <0.1 degrees Apogee radius: 42,188 km from the center of the Earth Perigee radius: 42,142 km from the center of the Earth
Launch vehicle:	Arianespace Flight V97
General function of space object:	INSAT-2D is a multipurpose satellite and will provide the following services: Domestic telecommunication services Direct satellite broadcasting Radio and TV programme distribution Mobile satellite services

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INFORMATION FURNISHED IN CONFORMITY WITH THE CONVENTION ON REGISTRATION OF OBJECTS LAUNCHED INTO OUTER SPACE

Note verbale dated 2 September 1997 from the Permanent Mission of the Russian Federation to the United Nations (Vienna) addressed to the Secretary-General

The Permanent Mission of the Russian Federation to the United Nations (Vienna) presents its compliments to the Secretary-General of the United Nations and, in accordance with article IV of the Convention on Registration of Objects Launched into Outer Space,* has the honour to transmit information concerning space objects launched by the Russian Federation from January to April 1997 and concerning Russian space objects which ceased to exist within those same periods of time and are no longer in Earth orbit (see annex).

*General Assembly resolution 3235 (XXIX), annex, of 12 November 1974.

V.97-26737T

*Annex**

REGISTRATION DATA ON SPACE OBJECTS LAUNCHED BY THE RUSSIAN FEDERATION IN JANUARY 1997

1. In January 1997, no space objects were launched by the Russian Federation.
2. The following space object ceased to exist in January 1997 and was no longer in Earth orbit at 2400 hours Moscow time on 31 January 1997: 1996-073A (Bion).

REGISTRATION DATA ON SPACE OBJECTS LAUNCHED BY THE RUSSIAN FEDERATION IN FEBRUARY 1997

1. In February 1997, the Russian Federation launched the following space objects:

No.	Name of space object	Date of launching	Basic orbit characteristics				General purpose of space object
			Apogee (km)	Perigee (km)	Inclination (degrees)	Period (minutes)	
3002	Soyuz TM-25 (launched by a Soyuz carrier rocket from the Baikonur launch site)	10 February	250	192	51.6	88.6	Transport to the Mir manned orbital station of an international crew consisting of the cosmonauts Vasily Tsibliev and Aleksandr Lazutkin and astronaut Rainhold Ewald (research scientist, citizen of the Federal Republic of Germany)
3003	Gonets-4	14 February	1 443	1 416	82.3	114	The satellite from the Gonets series is designed to operate as part of the new low-orbit satellite communications system being set up under Russia's Federal Space Programme.
3004	Gonets-5	14 February	1 443	1 416	82.3	114	The satellite from the Gonets series is designed to operate as part of the new low-orbit satellite communications system being set up under Russia's Federal Space Programme
3005	Gonets-6	14 February	1 443	1 416	82.3	114	The satellite from the Gonets series is designed to operate as part of the new low-orbit satellite communications system being set up under Russia's Federal Space Programme

*The registration data are reproduced in the form in which they were received.

No.	Name of space object	Date of launching	Basic orbit characteristics				General purpose of space object
			Apogee (km)	Perigee (km)	Inclination (degrees)	Period (minutes)	
3006	Cosmos-2337	14 February	1 443	1 416	82.3	114	The space object is intended for assignments on behalf of the Ministry of Defence of the Russian Federation.
3007	Cosmos-2338	14 February	1 443	1 416	82.3	114	The space object is intended for assignments on behalf of the Ministry of Defence of the Russian Federation.
3008	Cosmos-2339	14 February	1 443	1 416	82.3	114	The space object is intended for assignments on behalf of the Ministry of Defence of the Russian Federation.

Note: The space objects Gonets-4, Gonets-5, Gonets-6, Cosmos-2337, Cosmos-2338 and Cosmos 2339 were launched by a single carrier rocket, Tsiklon-3, from the Plesetsk launch site.

2. At 2400 hours Moscow time on 28 February 1997, no space objects had been found to have ceased to exist in Earth orbit in February 1997.

REGISTRATION DATA ON SPACE OBJECTS LAUNCHED BY THE RUSSIAN FEDERATION IN MARCH 1997

1. In March 1997, the Russian Federation launched the following space objects:

No.	Name of space object	Date of launching	Basic orbit characteristics				General purpose of space object
			Apogee (km)	Perigee (km)	Inclination (degrees)	Period (minutes)	
3009	Zeya (launched by a Start-1 carrier rocket from the Svobodny launch site)	4 March	508	473	97.4	94	Apparatus on the Zeya space object is designed to permit operation of radio amateur communications and also to determine the orbital parameters of this space object by means of the GLONASS and NAVSTAR navigation systems.

2. The following space objects ceased to exist in March 1997 and were no longer in Earth orbit at 2400 hours Moscow time on 31 March 1997: 1996-047A (Soyuz TM-24), and 1996-066A (Progress M-33).

REGISTRATION DATA ON SPACE OBJECTS LAUNCHED BY THE RUSSIAN FEDERATION IN APRIL 1997

1. In April 1997, the Russian Federation launched the following space objects:

No.	Name of space object	Date of launching	Basic orbit characteristics				General purpose of space object
			Apogee (km)	Perigee (km)	Inclination (degrees)	Period (minutes)	
3010	Progress M-34 (launched by a Soyuz carrier rocket from the Baikonur launch site)	6 April	248	193	51.6	88.6	Delivery to the Mir manned orbital station of consumables and various cargoes.
3011	Cosmos-2340 (launched by a Molniya carrier rocket from the Plesetsk launch site)	9 April	39 376	537	62.9	709	The space object is intended for assignments on behalf of the Ministry of Defence of the Russian Federation.
3012	Cosmos-2341 (launched by a Soyuz carrier rocket from the Plesetsk launch site)	17 April	1 027	995	82.9	105.1	The space object is intended for assignments on behalf of the Ministry of Defence of the Russian Federation.

2. At 2400 hours Moscow time on 30 April 1997, no space objects had been found to have ceased to exist in Earth orbit in April 1997.

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INFORMATION FURNISHED IN CONFORMITY WITH THE CONVENTION ON REGISTRATION OF OBJECTS LAUNCHED INTO OUTER SPACE

Note verbale dated 9 October 1997 from the Permanent Mission of Spain to the United Nations (Vienna) addressed to the Secretary-General

The Permanent Mission of Spain to the United Nations (Vienna) presents its compliments to the Secretary-General of the United Nations and has the honour to transmit, in accordance with article IV of the Convention on Registration of Objects Launched into Outer Space,* information on Spanish satellite MINISAT 01 (see annex).

*General Assembly resolution 3235 (XXIX), annex, of 12 November 1974.

V.97-27372T

Annex

REGISTRATION DATA FOR SPANISH SPACE LAUNCHES*

Name of satellite:	MINISAT 01
Launching State:	Spain and the United States of America
Registration number:	ROLEU.ESP 005
Date and location of launch:	21 April 1997 Gran Canaria, Spain
Basic orbital parameters:	
Nodal period:	96.1969 minutes
Inclination:	150.97 degrees
Apogee:	585 kilometres
Perigee:	566 kilometres
General function of space object:	Scientific research, astrophysics, microgravity research, technology demonstration
Organization responsible for launching:	Instituto Nacional de Técnica Aerospacial (INTA), Spain Orbital Sciences Corporation, United States of America
Additional information:	Satellite receiving frequency: 2047.0175 MHz Satellite transmitting frequency: 2223.0000 MHz
Date of entry into national registry:	8 July 1997

*The registration data are reproduced in the form in which they were received.

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Note verbale dated 10 November 1997 from the Permanent Mission of the Russian Federation to the United Nations (Vienna) addressed to the Secretary-General

The Permanent Mission of the Russian Federation to the United Nations (Vienna) presents its compliments to the Secretary-General of the United Nations and, in accordance with article IV of the Convention on Registration of Objects Launched into Outer Space,* has the honour to transmit the registration data for the Russian spac e launches for the period from May to August 1997 (see annex).

*See General Assembly resolution 3235 (XXIX), annex, of 12 November 1974.

V.98-50605 (E)

*Annex**

REGISTRATION DATA ON SPACE OBJECTS LAUNCHED BY THE RUSSIAN FEDERATION IN MAY 1997

1. In May 1997, the Russian Federation launched the following space objects:

No.	*Name of space object*	*Date of launching*	*Basic orbit characteristics*				*General purpose of space object*
			Apogee (km)	*Perigee (km)*	*Inclination (degrees)*	*Period (minutes)*	
3013	Cosmos-2342 (launched by a Molniya carrie r rocket from the Plesetsk launc h site)	14 May	39 374	546	62.8	709	This space object is intended for assignments o behalf of the Ministry of Defence of the Russia Federation.
3014	Cosmos-2343 (launched by a Soyuz carrie r rocket from the Baikonur launch site)	15 May	343	179	64.9	89.4	This space object is intended for assignments o behalf of the Ministry of Defence of the Russia Federation.

2. On 24 May 1997, the direct television broadcasting satellite TELSTAR-5 was placed in Earth orbit by the Proton carrier rocket from the Baikonur launch site. The satellite belongs to and is operated by American Telephone and Telegraph (AT&T).

3. At 2400 hours Moscow time on 31 May 1997, no space objects had been found to have ceased to exist in Earth orbit in May 1997.

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*The registration data are reproduced in the form in which they were received.

REGISTRATION DATA ON SPACE OBJECTS LAUNCHED BY THE RUSSIAN FEDERATION IN JUNE 1997

1. In June 1997, the Russian Federation launched the following space object:

No.	Name of space object	Date of launching	Basic orbit characteristics				General purpose of space object
			Apogee (km)	Perigee (km)	Inclination (degrees)	Period (minutes)	
3015	Cosmos-2344 (launched by a Proton carrier rocket from the Baikonur launch site)	6 June	2 749	1 516	63.3	130	This space object is intended for assignments on behalf of the Ministry of Defence of the Russian Federation.

2. On 18 June 1997, seven Iridium satellites were placed in Earth orbit from the Baikonur launch site by a single Proton carrier rocket. These satellites formpart of a global personal communications system designed to serve regions with inadequate infrastructure for the transmission of data and maintenance of communications during natural disasters. The satellites are owned and operated by the Motorola company (USA).

3. The following space object ceased to exist in June 1997 and was no longer in Earth orbit at 2400 hours Moscow time on 30 June 1997: 1995-028A (Cosmos-2313).

REGISTRATION DATA ON SPACE OBJECTS LAUNCHED BY THE RUSSIAN FEDERATION IN JULY 1997

1. In July 1997, the Russian Federation launched the following space object:

No.	*Name of space object*	*Date of launching*	Basic orbit characteristics				*General purpose of space object*
			Apogee (km)	*Perigee (km)*	*Inclination (degrees)*	*Period (minutes)*	
3016	Progress M-35 (launched by a Soyuz carrier rocket from the Baikonur launch site)	5 July	248	188	51.6	88.6	Delivery of consumables and various cargoes to the Mir manned orbital station.

2. The following space object ceased to exist in July 1997 and was no longer in Earth orbit at 2400 hours Moscow time on 31 July 1997: 1997-014A (Progress M-34).

REGISTRATION DATA ON SPACE OBJECTS LAUNCHED BY THE RUSSIAN FEDERATION IN AUGUST 1997

1. In August 1997, the Russian Federation launched the following space objects:

No.	*Name of space object*	*Date of launching*	*Basic orbit characteristics*				*General purpose of space object*
			Apogee (km)	*Perigee (km)*	*Inclination (degrees)*	*Period (minutes)*	
3017	Soyuz TM-26 (launched by a Soyuz carrier rocket from the Baikonur launch site)	5 August	245	191	51.6	88.6	Transport of a crew consisting of the cosmonauts Anatoly Soloyev and Pavel Vinogradov to the Mir manned orbital station.
3018	Cosmos-2345 (launched by a Proton carrier rocket from the Baikonur launch site)	15 August	36 044		1.2	1 443	This space object is intended for assignment on behalf of the Ministry of Defence of the Russian Federation.

2. On 28 August 1997, the direct television broadcasting satellite PANAMSAT-5 was placed in orbit by the Proton carrier rocket from the Baikonur launch site. The satellite belongs to and is operated by the Panamsat corporation.

3. The following space objects ceased to exist in August 1997 and were no longer in Earth orbit at 2400 hours Moscow time on 31 August 1997 1997-003A (Soyuz TM-25) and 1995-52A (Cosmos-2321).

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Note verbale dated 4 December 1997 from the Permanent Mission of India to the United Nations (Vienna) addressed to the Secretary-General

The Permanent Mission of India to the United Nations (Vienna) presents its compliments to the Secretary - General of the United Nations and has the honour to transmit, in accordance with article IV of the Convention on Registration of Objects Launched into Outer Space,* information concerning the launching of satellite IRS-1D (see annex).

*General Assembly resolution 3235 (XXIX), annex, of 12 November 1974.

V.97-29023 (E)

Annex

REGISTRATION DATA FOR INDIAN SPACE OBJECTS*

Name of space object:	IRS-1D	
Date of launch:	29 September 1997	
Place of launch:	Shriharikota, India	
Basic orbital parameters:	Nodal period:	100.53 minutes
	Inclination:	98.78 degrees
	Apogee:	821 kilometres
	Perigee:	737 kilometres
	(Polar sun-synchronous orbit)	
Launch vehicle:	PSLV-C1 (Polar Satellite Launch Vehicle)	
Launching organization:	Indian Space Research Organization	

General function of space object: Operational remote sensing satellite for natural resources management

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INFORMATION FURNISHED IN CONFORMITY WITH THE CONVENTION ON REGISTRATION OF OBJECTS LAUNCHED INTO OUTER SPACE

Note verbale dated 22 December 1997 from the Permanent Mission of the United States of America to the United Nations (Vienna) addressed to the Secretary-General

The Permanent Mission of the United States of America to the United Nations (Vienna) presents its compliments to the Secretary-General of the United Nations and, in accordance with article IV of the Convention on Registration of Objects Launched into Outer Space,* has to honour to transmit the registration data for the United States space launches for the period February 1997-June 1997 (see annex).

*See General Assembly resolution 3235 (XXIX), annex, of 12 November 1974.

V.98-50276 (E)

*Annex**

REGISTRATION DATA FOR UNITED STATES SPACE LAUNCHES

The following report supplements the registration data for the United States launches as of 28 February 1997. All launches were made from the territory of the United States unless otherwise specified.

International designation	*Date of launch*	*Basic orbital characteristics*				*General function of space objects*
		Nodal period (min)	*Inclination (degrees)*	*Apogee (km)*	*Perigee (km)*	
The following objects were launched since the last report and remain in orbit:						
1997-007B	17 February 1997	2 066.2	23.2	94 493	226	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1997-008A	23 February 1997	94.0	28.6	759	185	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1997-008B	23 February 1997	94.0	28.6	759	185	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1997-008C	23 February 1997	94.0	28.6	759	185	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1997-008D	23 February 1997	94.0	28.6	759	185	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects

*The registration data are reproduced in the form in which they were received.

International designation	Date of launch	Basic orbital characteristics				General function of space objects
		Nodal period (min)	Inclination (degrees)	Apogee (km)	Perigee (km)	
The following objects not previously reported have been identified since the last report:						
NONE						
The following objects not previously reported have been identified since the last report but are no longer in orbit as of 2400Z 28 February 1997:						
1994-029AAN	19 May 1994	96.0	82.0	620	519	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
The following objects achieved orbit since the last report but are no longer in orbit as of 2400Z on 28 February 1997:						
1997-004A	11 February1997	96.7	28.4	619	586	Reusable space transportation systems
The following objects identified on a previous report are no longer in orbit as of 2400Z on 28 February 1997:						
1965-082AZ, 1994-029M, 1994-029AL, 1994-029AN, 1994-029BR, 1994-029DJ, 1994-029PX, 1994-029WU, 1994-029YU, 1994-029ZU						
The following objects were launched since the last report but did not achieve orbit:						
NONE						
Revisions that should be made to previously reported data:						
NONE						

REGISTRATION DATA FOR UNITED STATES SPACE LAUNCHES

The following report supplements the registration data for the United States launches as of 31 March 1997. All launches were made from the territory of the United States unless otherwise specified.

International designation	*Date of launch*	*Basic orbital characteristics*				*General function of space objects*
		Nodal period (min)	*Inclination (degrees)*	*Apogee (km)*	*Perigee (km)*	
The following objects were launched since the last report and remain in orbit:						
1997-011A	08 March 1997	368.9	25.8	21 158	162	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1997-011B	08 March 1997	368.0	26.0	21 114	154	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
The following objects not previously reported have been identified since the last report:						
1994-029AAQ	19 May 1994	102.8	82.1	1 199	633	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1994-029AAS	19 May 1994	98.5	82.0	803	571	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1994-029AAT	19 May 1994	96.6	82.0	810	384	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1994-029AAU	19 May 1994	99.3	82.4	1 002	473	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1994-029AAV	19 May 1994	96.7	81.7	645	572	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects

International designation	Date of launch	Basic orbital characteristics				General function of space objects
		Nodal period (min)	Inclination (degrees)	Apogee (km)	Perigee (km)	
The following objects not previously reported have been identified since the last report (*continued*):						
1994-029AAX	19 May 1994	94.3	82.0	561	449	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1994-029AAY	19 May 1994	98.8	82.1	851	561	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1994-029AAZ	19 May 1994	100.0	82.4	950	569	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1994-029ABA	19 May 1994	99.8	82.2	946	561	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1994-029ABB	19 May 1994	99.3	81.8	896	593	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1994-029ABC	19 May 1994	97.9	82.1	736	608	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1994-029ABD	19 May 1994	99.1	82.2	855	579	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1994-029ABE	19 May 1994	98.5	82.1	820	579	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1994-029ABF	19 May 1994	98.8	82.1	846	558	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1994-029ABG	19 May 1994	99.9	82.0	982	569	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1994-029ABH	19 May 1994	99.2	81.8	906	574	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects

International designation	Date of launch	Basic orbital characteristics				General function of space objects
		Nodal period (min)	Inclination (degrees)	Apogee (km)	Perigee (km)	
The following objects not previously reported have been identified since the last report but are no longer in orbit as of 2400Z on 31 March 1997:						
1994-029AAR	19 May 1994	91.5	82.0	361	333	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1994-029AAW	19 May 1994	90.7	81.9	319	297	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
The following objects achieved orbit since the last report but are no longer in orbit as of 2400Z on 31 March 1997:						
NONE						
The following objects identified on a previous report are no longer in orbit as of 31 March 1997:						
1990-034C, 1994-029BF, 1994-029CH, 1994-029DA, 1994-DV, 1996-054B, 1994-029PD, 1994-029SC, 1994-029SM, 1994-029TA, 1994-029TH, 1994-029TT, 1994-029UG, 1994-029UV, 1973-086CH						
The following objects were launched since the last report but did not achieve orbit:						
NONE						
Revisions that should be made to previously reported data:						
NONE						

REGISTRATION DATA FOR UNITED STATES SPACE LAUNCHES

The following report supplements the registration data for the United States launches as of 30 April 1997. All launches were made from the territory of the United States unless otherwise specified.

International designation	*Date of launch*	*Basic orbital characteristics*				*General function of space objects*
		Nodal period (min)	*Inclination (degrees)*	*Apogee (km)*	*Perigee (km)*	
The following objects were launched since the last report and remain in orbit:						
1997-012A	04 April 1997	101.9	98.9	874	861	Spacecraft engaged in practical applications and uses of space technology such as communications
1997-012B	04 April 1997	101.8	98.9	869	862	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1997-012C	04 April 1997	101.9	98.9	863	871	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1997-012D	04 April 1997	101.8	98.9	862	849	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1997-012E	04 April 1997	101.8	98.9	863	847	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1997-018B	21 April 1997	96.1	151.0	588	560	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1997-019A	25 April 1997	1 436.2	.44	42 326	163	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1997-019B	25 April 1997	746.9	27.2	41 611	170	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects

International designation	Date of launch	Basic orbital characteristics				General function of space objects
		Nodal period (min)	Inclination (degrees)	Apogee (km)	Perigee (km)	
The following objects not previously reported have been identified since the last report:						
1994-029ABJ	19 May 1994	112.9	82.0	2 141	577	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1994-029ABK	19 May 1994	101.5	82.6	1 068	603	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1994-029ABL	19 May 1994	101.3	82.1	1 031	612	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1994-029ABM	19 May 1994	101.9	81.1	1 105	617	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1994-029ABR	19 May 1994	102.2	81.8	1 115	612	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
The following objects not previously reported have been identified since the last report but are no longer in orbit as of 2400Z on 30 April 1997:						
1994-029ABP	19 May 1994	94.9	81.8	540	514	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1994-029ABQ	19 May 1994	95.5	81.7	602	490	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1994-029ABS	19 May 1994	98.7	82.0	818	578	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1994-029ABT	19 May 1994	92.5	81.8	432	363	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects

International designation	Date of launch	Basic orbital characteristics				General function of space objects
		Nodal period (min)	Inclination (degrees)	Apogee (km)	Perigee (km)	
The following objects achieved orbit since the last report but are no longer in orbit as of 2400Z on 30 April 1997:						
1997-013A	04 April 1997	90.6	28.4	314	296	Reusable space transportation systems
The following objects identified on a previous report are no longer in orbit as of 2400Z on 30 April 1997:						
1989-089P, 1965-082CG, 1969-082ES, 1963-014DV, 1994-029CA, 1994-029CZ, 1994-029DU, 1994-029NH, 1994-029 PJ, 1994-029PM, 1994-029QD, 1994-029QW, 1994-029RY, 1994-029VJ, 1994-029VX, 1994-029VZ, 1994-029XG, 1994-029YC, 1994-029ZV, 1994-029ZX						
The following objects were launched since the last report but did not achieve orbit:						
NONE						
Revisions that should be made to previously reported data:						
NONE						

REGISTRATION DATA FOR UNITED STATES SPACE LAUNCHES

The following report supplements the registration data for the United States launches as of 31 May 1997. All launches were made from the territory of the United States unless otherwise specified.

International designation	*Date of launch*	*Basic orbital characteristics*				*General function of space objects*
		Nodal period (min)	*Inclination (degrees)*	*Apogee (km)*	*Perigee (km)*	
The following objects were launched since the last report and remain in orbit:						
1997-020A	05 May 1997	100.467	86.4	780	643	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1997-020B	05 May 1997	100.467	86.4	780	643	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1997-020C	05 May 1997	100.467	86.4	780	640	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1997-020D	05 May 1997	100.467	86.4	780	641	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1997-020E	05 May 1997	100.467	86.4	780	641	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
1997-020F	05 May 1997	100.2	86.90	951	601	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1997-025B	20 May 1997	108.6	26.3	1 672	656	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects

International designation	Date of launch	Basic orbital characteristics				General function of space objects
		Nodal period (min)	Inclination (degrees)	Apogee (km)	Perigee (km)	
The following objects were launched since the last report and remain in orbit:						
1997-025C	20 May 1997	648.8	19.5	35 759	1 138	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1997-026A	24 May 1997	632.6	51.7	35 845	222	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
The following objects not previously reported have been identified since the last report:						
1967-092K	25 Sept. 1967	106.5	89.2	1 100	1 027	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1965-048P	24 June 1965	106.2	90.1	1 127	978	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
1994-029ABU	19 May 1994	104.84	81.7	1 369	605	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
The following objects not previously reported have been identified since the last report but are no longer in orbit as of 2400Z on 31 May 1997:						
NONE						
The following objects achieved orbit since the last report but are no longer in orbit as of 2400Z on May 1997:						
1997-023A	15 May 1997	92.3	51.6	399	376	Reusable space transportation systems
The following objects identified on a previous report are no longer in orbit as of 2400Z on 31 May 1997:						
1989-089V, 1980-089Z, 1989-089BR, 1994-029CM, 1994-29NA, 1994-29PP, 1994-029QU, 1994-029RD, 1994-029RK, 1994-029SZ, 1994-029TW, 1994-029UX, 1994-029XB, 1994-029XP, 1994-029XU, 1994-029AAX						

International designation	*Date of launch*	*Basic orbital characteristics*				*General function of space objects*
		Nodal period (min)	*Inclination (degrees)*	*Apogee (km)*	*Perigee (km)*	
The following objects were launched since the last report but did not achieve orbit:						
NONE						
Revisions that should be made to previously reported data:						
NONE						

REGISTRATION DATA FOR UNITED STATES SPACE LAUNCHES

The following report supplements the registration data for the United States launches as of 30 June 1997. All launches were made from the territory of the United States unless otherwise specified.

International designation	*Date of launch*	*Basic orbital characteristics*				*General function of space objects*
		Nodal period (min)	*Inclination (degrees)*	*Apogee (km)*	*Perigee (km)*	
The following objects were launched since the last report and remain in orbit:						
NONE						
The following objects not previously reported have been identified since the last report:						
1994-029ABZ	19 May 1994	100.1	82.1	956	573	Spent boosters, spent maneuvering stages, shrouds and other non-functional objects
The following objects not previously reported have been identified since the last report but are no longer in orbit as of 2400Z on 30 June 1997:						
NONE						
The following objects achieved orbit since the last report but are no longer in orbit as of 2400Z on 30 June 1997:						
NONE						
The following objects identified on a previous report are no longer in orbit as of 2400Z on 30 June 1997:						
1989-089S, 1994-029BN, 1994-29BU, 1994-29QT, 1994-029QX, 1994-029RZ, 1994-029SY, 1994-029TG, 1994-029WZ, 1994-XF, 1994-029XK, 1994-029ZD						
The following objects were launched since the last report but did not achieve orbit:						
NONE						
Revisions that should be made to previously reported data:						
NONE						

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25 February 1998

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COMMITTEE ON THE PEACEFUL
USES OF OUTER SPACE

INFORMATION FURNISHED IN CONFORMITY WITH THE CONVENTION ON REGISTRATION OF OBJECTS LAUNCHED INTO OUTER SPACE

Note verbale dated 16 February 1998 from the Permanent Mission of China to the United Nations (Vienna)

The Permanent Mission of the People's Republic of China to the United Nations (Vienna), in accordance with article IV, paragraph 1, of the Convention on Registration of Objects Launched into Outer Space,* has the honour to transmit the satellite registration data of APSTAR-IIR provided by the government of the Hong Kong Special Administrative Region of China (see annex).

*General Assembly resolution 3235 (XXIX), annex, of 12 November 1974.

V.98-51240 (E)

Annex

REGISTRATION DATA FOR CHINESE SPACE LAUNCHES*

Name of space object:	APSTAR-IIR
Owner/operator (including address):	APT Satellite Co. Ltd. Room 3111-3112, 31/F One Pacific Place 88 Queensway, Hong Kong Special Administrative Region of China Facsimile: (852)25220419
International designation:	1997-62A
Catalogue number:	25010
Date of launch and location:	17 October 1997, Xichang, China
Basic orbital parameters	
Nodal period:	1,440±0.2 minutes
Inclination:	0±0.0005 degrees
Apogee radius:	42,182.65 kilometres
Perigee radius:	42,148.92 kilometres
Orbital position (for geostationary satellite):	76.5°E
General function:	Fixed-satellite telecommunication services and transmission of television signals
Expected operational life:	About 15 years

*The registration data are reproduced in the form in which they were received.

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COMMITTEE ON THE PEACEFUL
USES OF OUTER SPACE

INFORMATION FURNISHED IN CONFORMITY WITH THE CONVENTION ON REGISTRATION OF OBJECTS LAUNCHED INTO OUTER SPACE

Note verbale dated 16 February 1998 from the Permanent Mission of France to the United Nations (Vienna) addressed to the Secretary-General

The Permanent Mission of France to the United Nations (Vienna) presents its compliments to the Secretary-General of the United Nations and, in accordance with article IV of the Convention on Registration of Object s Launched into Outer Space,* has the honour to submit the list of objects launched by France during 1995 (se e annex). This notification supplements the data issued in document ST/SG/SER.E/321.

*General Assembly resolution 3235 (XXIX), annex, of 12 November 1974.

V.98-51418 (E)

Annex

REGISTRATION DATA FOR FRENCH SPACE LAUNCHES IN 1995*

The space objects indicated below were launched from Kourou, French Guiana.

Registration number	*Date of launch (UT)*	*Nodal period (seconds)*	*Inclination (degrees)*	*Apogee (km)*	*Perigee (km)*	*General function of space object*
1995-1A	28 March 1995	86 160	0	35 786	35 786	EUTELSAT Hot Bird 1 telecommunications satellite*
1995-1B	28 March 1995	38 059	6.996	35 950	203.4	Third stage of ARIANE 4
1995-1C	28 March 1995	38 059	6.996	35 950	203.4	SPELDA carrier structure
1995-2	21 April 1995	6 000	98.54	794.41	774.51	Third stage of ARIANE 4
1995-3A	17 May 1995	38 166	7.01	35 943	199	Third stage of ARIANE 4
1995-3B	17 May 1995	38 166	7.01	35 943	199	Carrier structure
1995-4	10 June 1995	31 722	6.99	31 722	201	Third stage of ARIANE 4
1995-5A	7 July 1995	5 882	98.097	673	657	Helios 1A satellite: studies of space-object techniques and technology
1995-5B	7 July 1995	5 882	98.097	673	657	Third stage of ARIANE 4

*EUTELSAT and France have agreed that France should register this satellite temporarily until EUTELSAT has met the conditions (indication of definitive geostationary orbit) for registering it itself.

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*The registration data are reproduced in the form in which they were received.

Registration number	*Date of launch (UT)*	*Nodal period (seconds)*	*Inclination (degrees)*	*Apogee (km)*	*Perigee (km)*	*General function of space object*
1995-5C	7 July 1995	5 882	98.097	673	657	Cerise satellite: studies of space-object techniques and technology
1995-6	3 August 1995	38 522	4.199	36 063	487	Third stage of ARIANE 4
1995-7	29 August 1995	18 006	7.000	36 013	201	Third stage of ARIANE 4
1995-8	24 September 1995	19 114	7.000	36 047	251	Third stage of ARIANE 4
1995-9	19 October 1995	38 463	4.200	36 013	486	Third stage of ARIANE 4
1995-10	17 November 1995	87 402	5.250	71 900	500	Third stage of ARIANE 4
1995-11A	6 December 1995	38 095	7.000	35 984	200	Third stage of ARIANE 4
1995-11B	6 December 1995	38 095	7.000	35 984	200	Mini-SPELDA, upper section